

Converting Colors

XYZ(31.2893, 41.9363, 69.4333)

Have a look what the booklet for
XYZ(31.2893, 41.9363, 69.4333)
contains.

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Color

**XYZ(31.3785, 42.1232,
69.4276)**

Conversions

Conversions Part 1

Format	Color
Hex	2ABED5
RGB	42, 190, 213
RGB Percent	16%, 75%, 84%
CMY	0.8352, 0.2549, 0.1647
CMYK	0.80, 0.11, 0.00, 0.16
HSL	188°, 67%, 50%
HSV	188°, 80%, 84%
XYZ	31.3785, 42.1232, 69.4276
YIQ	148.3700, -95.5910, -24.2230

Conversions

Conversions Part 2

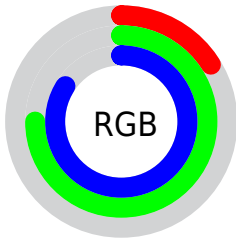
Format	Color
R _Y B	42, 121, 213
Decimal	2801365
CIE Lab	70.96, -29.24, -22.22
CIE LCh	71, 36.724, 217.229
Yxy	42.1232, 0.2195, 0.2947
Android (android.graphics.Color)	4280991445 (0xFF2ABED5)
YUV	148.3700, 31.8626, -93.2865
Hunter-Lab	64.9024, -27.2794, -17.9922

Details

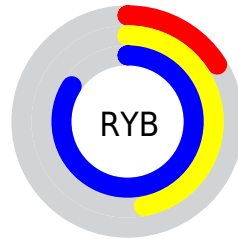
The XYZ color **31.3785, 42.1232, 69.4276** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle washed azure. A complement of this color would be **29.7502, 18.0957, 4.1167**, and the grayscale version is **28.2047, 29.6735, 32.3145**.

A 20% lighter version of the original color is **58.7820, 77.5931, 106.4866**, and **14.9757, 20.0769, 35.4337** is the 20% darker color. If you saturate the color by 10%, you get **30.1132, 40.5595, 69.1933**, and if you desaturate by 10%, it is **33.1212, 43.9527, 69.6897**.

Distribution



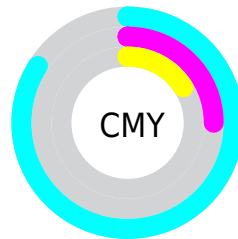
- Red (16%)
- Green (75%)
- Blue (84%)



- Red (16%)
- Yellow (47%)
- Blue (84%)



- Cyan (80%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3785, 42.1232, 69.4276 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 31.3785, 42.1232, 69.4276 by changing the saturation by 10% instead.

■ 31.3785, 42.1232,
69.4276

■ 31.3785, 42.1232,
69.4276

300.0741,
354.9934, 477.2724

■ 21.0405, 29.1978,
50.5861

■ 61.2073, 78.3860,
120.0656

■ 13.2662, 19.2305,
35.5049

■ 81.4288, 102.4923,
152.6991

■ 7.6904, 11.8369,
23.7654

■ 105.6754,
131.0942, 190.7671

■ 3.9476, 6.6327,
14.9491

■ 134.3127,
164.5762, 234.6880

■ 1.6725, 3.2335,
8.6374

■ 167.7058,
203.3228, 284.8805

■ 0.4390, 1.2548,
4.4119

206.2202,

■ 0.0000, 0.1058,

247.7182, 341.7630

1.8539

250.2212,
298.1470, 405.7541

■ 0.0000, 0.0000,
0.4632

■ 0.0000, 0.0000,
0.0000

■ 31.3785, 42.1232,
69.4276

■ 31.3785, 42.1232,
69.4276

■ 30.1132, 40.5595,
69.1933

■ 33.1212, 43.9527,
69.6897

■ 29.2240, 39.2313,
68.9838

■ 35.4015, 46.0768,
69.9795

■ 38.2751, 48.5250,
70.3006

■ 41.7895, 51.3220,
70.6552

■ 45.9874, 54.4898,
71.0454

■ 50.9076, 58.0486,
71.4730

■ 56.5861, 62.0171,
71.9397

■ 63.0565, 66.4126,
72.4471

■ 70.3503, 71.2514,
72.9967

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.4599, 42.1232, 50.2385



31.3785, 42.1232, 69.4276



35.6525, 42.1232, 84.4901

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.3785, 42.1232, 69.4276



51.8981, 42.1232, 60.1858



38.5740, 42.1232, 19.8957

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.3785, 42.1232, 69.4276



29.7502, 18.0957, 4.1167

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.7667, 42.1232, 21.2783



31.3785, 42.1232, 69.4276



52.8834, 42.1232, 41.7530

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.3785, 42.1232, 69.4276



47.5873, 42.1232, 78.2752



50.1572, 42.1232, 28.3463



33.3305, 42.1232, 23.9227

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.3785, 42.1232, 69.4276



39.4707, 42.1232, 88.4383



50.1572, 42.1232, 28.3463



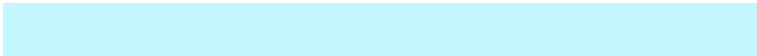
40.6084, 42.1232, 19.7651

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.3799, 42.1247, 69.4286



73.4368, 85.0428, 107.1521



25.6987, 48.4612, 12.9721



15.1555, 17.7942, 22.8858



0.0000, 0.0000, 0.0000



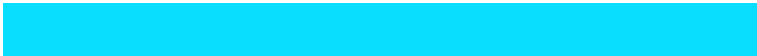
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3799, 42.1247, 69.4286



44.3183, 59.5671, 103.7695



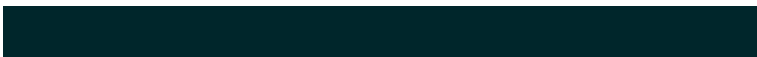
17.9879, 15.3408, 64.9646



12.6431, 13.8097, 15.9367



17.9059, 24.0735, 42.1561



1.1203, 1.5327, 2.5561

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.5640, 19.5211, 50.5048



54.5453, 26.7593, 71.4487



38.8144, 36.2241, 7.1381



12.8778, 12.6026, 15.2968



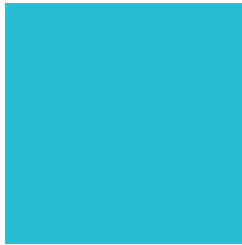
22.0969, 10.7751, 28.8781



1.3531, 0.6580, 1.8490

Previews

White Background



This preview shows how the XYZ color 31.3785, 42.1232, 69.4276 looks on a white background.

Color Contrast Check

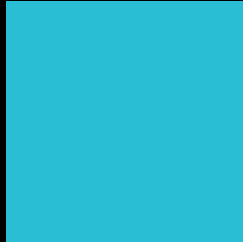
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.3785, 42.1232, 69.4276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3785, 42.1232, 69.4276

Background



This preview shows how black text looks on a background with the XYZ color 31.3785, 42.1232, 69.4276.



This preview shows how white text looks on a background with the XYZ color 31.3785, 42.1232,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.3785, 42.1232, 69.4276

Protanopia

40.9246, 41.5114, 60.4991

Deuteranopia

42.3599, 41.4372, 72.0952



Tritanopia

30.5864, 42.1239, 65.5501

Trichromacy



Original Color

31.3785, 42.1232, 69.4276

Protanomaly

34.9659, 40.3861, 63.7100

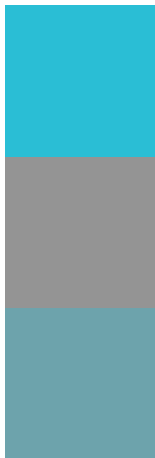
Deuteranomaly

35.8625, 40.3952, 70.8726

Tritanomaly

30.9388, 42.2771, 66.8513

Monochromacy



Original Color

31.3785, 42.1232, 69.4276

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.8503, 32.4242, 43.8731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3785, 42.1232, 69.4276 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(42, 190, 213)` looks like.

```
.text, #text, p{  
    color:rgb(42, 190, 213)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(42, 190, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 190, 213) }
```

Border

The CSS property to change the border of an element to XYZ 31.3785, 42.1232, 69.4276 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(42, 190, 213) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(42, 190, 213) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(42, 190, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 190, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 190, 213);  
box-shadow:4px 4px 4px 4px rgb(42, 190,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3785, 42.1232, 69.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 190, 213) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(42, 190,  
213) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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